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## CLAIMS

- 1. Method for treatment of sludge, which includes precipitated aluminium and/or iron hydroxide, whereby the sludge first is added acid and thereafter is subjected to at least one membrane filtration process, whereby a permeate or a concentrate is obtained, including trivalent aluminium and/or iron ions in solution, characterized in that
- the aluminium and/or iron ions in the permeate, or concentrate, are crystallised (salting out) in a precipitation.
- 2. Method according to claim 1, wherein the pre-15 cipitation is subjected to a product adaptation step (I).
  - 3. Method according to claim 2, wherein the product adaptation step (I) includes an alkalisation.
- 4. Method according to claim 2, wherein an aluminium product from the product adaptation step (I) may be reused, as a chemical coagulant, direct in a waterworks.
- Method according to claim 1, wherein the crystal lisation occurs by addition of potassium, sodium, and/or ammonium sulphate.
  - 6. Method according to claim 1, wherein the crystallisation is performed at low temperature.
  - 7. Method according to claim 1, wherein the crystallisation is performed after an adjustment of pH.
- 8. Method according to claim 7, wherein the pH is adjusted with potassium hydroxide, sodium hydroxide, sodium

carbonate, magnesium hydroxide, magnesium oxide, or magnesium carbonate, separately or in combination.

- 9. Method according to claim 1, wherein the solution obtained from the crystallisation is used as chemical coagulant in similar industrial processes, such as paper industry or wastewater treatment plants.
- 10. Construction for treatment of sludge, which has been treated in a sludge treatment construction (B, B\*), whereby a permeate, or a concentrate, is obtained, characterized by

an alum crystallisation step (C), to which the permeate, or concentrate, is led, and

- an alum separation step (F), to which a solution (E) is led.
  - 11. Construction for treatment of sludge according to claim 10, characterized by
- a product adaptation step (I), to which a precipitate (H), from the alum separation step (F), is led.